



IPV

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/728,862	
	Filing Date	12/8/2003	
	First Named Inventor	Jungho Park	
	Art Unit	3679	
	Examiner Name	Greg Binda	
Total Number of Pages in This Submission	99	Attorney Docket Number	701 571-272-7077 Fax 703-872-9306

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Amended specification, abstract, and claims; applicant's reply to the Office Action Dated 5/3/2005
Remarks This is for the applicant's response to the Office Action Dated 5/3/2005.		

RECEIVED
OIPE/IAP

SEP 12 2005

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Jungho Park
Signature	
Date	7/21/2005

CERTIFICATE OF TRANSMISSION/MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.	
Typed or printed name	Jungho Park
Signature	
Date	7/21/2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Applicant's Response to the Office Action Dated 5/3/2005

Election/Restrictions

1. In response to the comments in sections 1 and 2 of the Office Action Summary dated 5/3/2005, the applicant acknowledges the election of Species V and the withdrawal of Claims 2-6 & 10.

Actions to Information Disclosure Statement

2. In response to the proper listing of references as pointed out in section 3 of the Office Action Summary dated 5/3/2005, a listing of references is attached herein in a separate paper.

Actions to Drawings

3. In response to the Drawings Objections in sections 4 and 5 of the Office Action Summary dated 5/3/2005, the amended drawings are attached herein. The replacement sheets are attached after the amended specification, and the annotated marked-up drawings follow in an appendix. Fig. 13 for the species V has been moved to Figs. 4 & 5. Fig. 5 is a species V with additional employment of the needle bearings. The ball assemblies in Figs. 8 & 9 have been replaced from the species I to the species V. Figs. 10 through 12 for the species other than V are canceled.

Actions to Specification

4. In response to the Specification Objections in sections 6 and 7 of the Office Action Summary dated 5/3/2005, both the clean and marked-up versions of the substitute specification including abstract are attached herein. The amendment of the specification is mainly for limiting the scope of the invention to the elected species V. In other words, all contents or paragraphs relating to the non-elected species are either struck-out or withdrawn. In addition, some terminologies are rephrased to enhance the readability and to prevent a misunderstanding. For example, the "roller" is replaced by "sub-roller", the "web slot" is replaced by "web groove", and the "lug shaft" is replaced by "slide shaft".

Actions to Claim Objections to Claim 1

5. In response to the Claims Objections in section 8 of the Office Action Summary dated 5/3/2005, the amended claims are attached herein. Since this invention is about a constant velocity joint with new ball assemblies and with a modified ball cage, the claims should clarify the relationships between the